

ABSTRACT OF THE DISCLOSURE

In an interpolation synchronous detection method in a radio communication system in which a pilot symbol whose phase point is known is periodically inserted in an information signal to allow interpolation synchronous detection on a receiving side, synchronous detection of the information between the pilot symbols is performed by linearly interpolating a transfer function estimated from the pilot symbols respectively located before and after the information signal, and a reception sampling point timing used for the synchronous detection is updated at the middle point between the pilot symbols respectively located before and after the information signal. A radio communication system is also disclosed.

662060-62252E60